A Short Course in Discrete Mathematics

[page numbers] in Dover edition.

More important errors are marked with an asterisk.

- [8] BF-8: In Exercise 1.2, "statements" should be "statement".
- [15] BF-15: In the middle of the paragraph that starts "Think of telling", change "just liking adding" to "just like adding".
- [28] Lo-2: The last paragraph starts "Recall the some", but should start "Recall that some".
- *[35] Lo-9: Exercise 1.4 can be confusing if not read carefully. The statements have the form "Flag so-and-so is off." Thus values of the variables are TRUE when the flags are OFF. This can lead to confusion because we associate TRUE with 1 and OFF with 0.
- *[45] Lo-19: As stated, none of the parts of Exercise 2.2 say the same thing. The exercise should be changed in one of two ways:
 - Change "integer" to "positive integer" in (a)–(f). OR

Replace $n \in \mathbb{N}$ with $n \in \mathbb{Z}$ in the initial statement.

- [46] Lo-20: In Exercise 2.6, "An number" should be "A number".
- [51] Lo-25: In Question 11(d), P should be \mathbb{P} .
- *[63] NT-11: The condition $a \neq c$ should be added to Exercise 1.11. Can you figure out what happens if a = c?
- [84] SF-4: The second line in the paragraph beginning "A different method" has "reult". It should be "result".
- *[93] SF-13: Exercise 1.7(b) is not very interesting and the solution proves something different. So let's change 1.7(b) to agree with the solution:
 1.7(b) If A, B and C are subsets of U, then A ⊆ C and B ⊆ C implies that A ∪ B ⊆ C.
- *[105] SF-25: In the second line of Exercise 2.3, change S to X. In part (a), S is the relation.
- *[186] Solutions-4: There is another solution to BF-2.3 obtained by complementing the given solution.
- *[187] Solutions-5: Exercise 2-12 should be $67_{10} = 01000011_2$.
- [190] Solutions-8: The end of the very last line is missing a right parenthesis ")".
- [211] Solutions-29: In Exercise 2.9(f), change "Sinc" to "Since".